

King County DNRP Water Quality Index

STATION **322** WATER YEAR **2018**

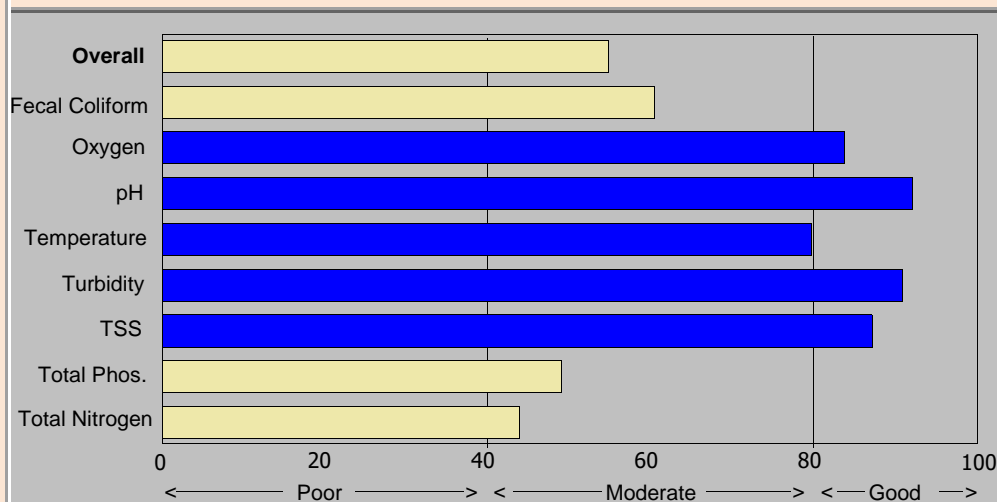
GAUGE # 44a Newaukum USGS Gage

Overall Index 55

King County monitors the ecological health of Newaukum Creek at station 0322, which is one mile upstream from the mouth of the creek. Water quality sampling began at the station in 1972 and continues today. The Newaukum Creek basin encompasses 17,800 acres. The creek originates east of Enumclaw Plateau and flows 14 miles before entering the Middle Green River. Land use in the basin has transitioned from historic forested lands to agriculture and now to rural residential. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of fecal coliform bacteria and dissolved oxygen standards. Newaukum Creek is also listed in Category 4a and has an approved TMDL plan for temperature exceedances.

Annual Water Quality Index Scores

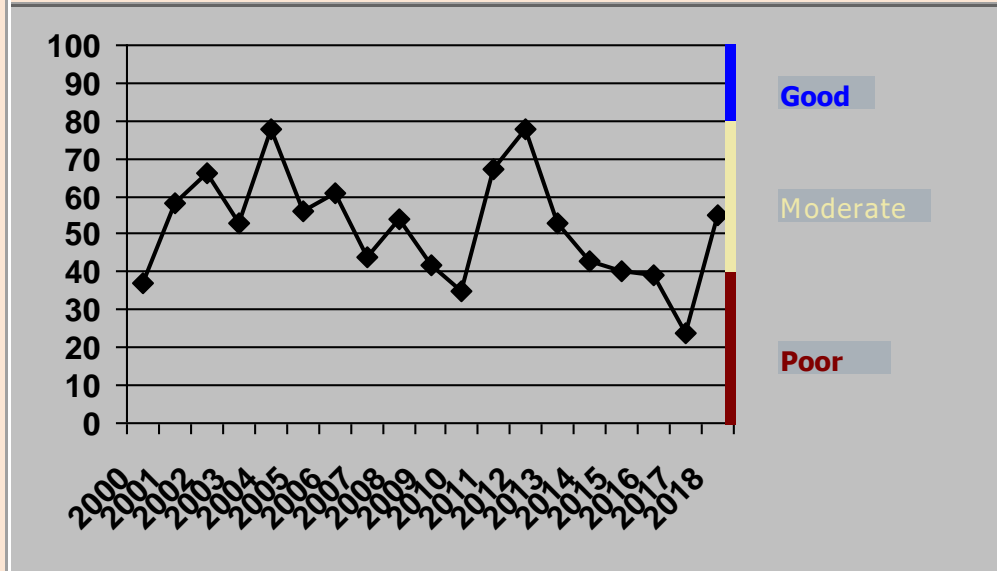
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
95	71	86	50	81	62	53	80	90	91	87	73

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>